Amendments to the Specification

Please amend the specification as follows:

Please replace paragraph [0062] with the following rewritten paragraph:

[0062] In a preferred aspect of the fourth embodiment, the pulsed magnet assembly 31 is used to magnetize the precursor body that is heated above room temperature according to the third preferred embodiment of the present invention. The current required to energize the electromagnet to magnetize the precursor body depends on the temperature of the precursor body. Since the pulsed magnetic field required to magnetize the precursor body decreases with increasing temperature of the precursor body, by heating the precursor body, the minimum current required to energize the coil is reduced. Therefore, by heating the precursor material during magnetization, a power supply which provides a lower amount of power, such as a battery power supply, may be used to magnetize the precursor body. In one preferred aspect of the fourth embodiment, the pulsed magnet assembly 31 is used together with a heating element adapted to heat the permanent magnet precursor material (i.e., the precursor body or blocks). The heating element 32 may comprise heating tape, surface heaters, a furnace and/or a heating lamp. In another preferred aspect of the fourth embodiment, the pulsed magnet assembly 31 is provided together with the heating element as a kit for magnetizing a permanent magnet precursor material.

Please replace paragraph [0066] with the following rewritten paragraph:

[0066] The switching circuit also preferably contains an optional diode 47 and an optional capacitor 49 in parallel with the batteries 43. When the switch 45 is opened, the energy present in the electromagnet 37 is transferred into Joule heating inside the electromagnet through the diode 47. Thus, the diode 47 allows easier switch 45 opening when a high current is provided into the loop. If desired, an optional Coulomb resistance 48 may be added in series with the diode 47.